

# GUIDE

TO THE

## Exhibits of American Wool Manufactures,

INCLUDING

HOSIERY AND KNIT GOODS,

GROUPS 103 and 104.

WORLD'S COLUMBIAN EXPOSITION,  
CHICAGO, ILLINOIS, U.S.A.

1893.

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DEPARTMENT OF MANUFACTURES,  
SECTION P.

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BOSTON:  
PRESS OF ROCKWELL AND CHURCHILL.

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Special Committee  
OF WOOL MANUFACTURERS ON THE WORLD'S  
COLUMBIAN EXPOSITION OF 1893.

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GEORGE SYKES . . . . .	Rockville, Conn.
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## GUIDE.

THIS Guide contains a diagram showing the exact arrangement of cases in Section P, with the number of each case. The catalogue is arranged according to the number of the cases. For easy reference, a complete index precedes the catalogue, by reference to which the reader will learn the number of the case occupied by each exhibitor, and the page in this catalogue on which the description of that mill and exhibit appears. It is impossible to give the Official Catalogue number of exhibitors, as the revised edition of this catalogue had not been printed on August 1.

## THE ASSOCIATED EXHIBIT OF AMERICAN WOOL MANUFACTURES.

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The associated exhibit of American wool manufactures at the World's Columbian Exposition in Chicago had its origin in a letter from Mr. James Allison, Chief of the Department of Manufactures, to the National Association of Wool Manufacturers, in which he stated that the majority of the great national manufacturing interests of the country were fully in accord with the plan of the management of the Exposition for collective exhibits, and asked for the appointment of a special committee of wool manufacturers to arrange for a unified exhibit in their industry. In response to this request, the President of the National Association of Wool Manufacturers, at the annual meeting held January 8, 1892, appointed the committee named elsewhere, including in its membership several representative wool manufacturers not members of the Association. The committee organized by the election of Hon. Charles A. Stott, of Lowell, as chairman, Henry G. Kittredge as treasurer, and S. N. D. North as secretary. Mr. Stott was compelled to resign the chairmanship shortly, because of prolonged ill-health. He was succeeded by Mr. Theodore C. Search, of Philadelphia, who also retired from the chairmanship, in January, 1893, owing to a change in his business relations. At a meeting of the exhibitors held in New York, January 13, 1893, Mr. William B. Weeden, of Taft, Weeden & Co., Providence, R.I., was elected his successor.

The question of a unified exhibit was referred by the committee to a meeting of proposed exhibitors, held in New York, at which the following resolution was unanimously adopted:

*“Resolved*, That it is the sense of this meeting that the exhibits of domestic wool manufacture at the Chicago Exposition should be made under a uniform plan, as recommended by the Exposition authorities, in cases to be constructed under the supervision of the Special Committee of Wool Manufacturers, after plans to be approved at a subsequent meeting; and that it is recommended to all manufacturers of woollen goods, and to commission houses representing domestic manufacturers, that they join in this unified exhibit.”

The committee held many meetings; sent a number of circulars to all the wool manufacturers of the country; received and forwarded all

the applications for exhibiting space; prepared plans for eases; made contracts for their construction, and superintended their erection; obtained from the authorities an allotment of space, 133 by 155 feet in dimensions, in the most eligible section of the building devoted to manufactures, and, in a word, attended to all the preliminary details of the exhibit, which were endless in number and involved a voluminous correspondence. The manufacturers' committee was most heartily seconded and assisted by the New York Commission House Committee, and especial mention should be made of the enthusiastic and efficient labors of Mr. George W. Bramhall, its secretary.

The plans of the committee, as they matured, were submitted for approval to meetings of the exhibitors, which were held in New York on April 14 and May 12, 1892, and January 13, 1893.

These meetings were well attended by exhibitors, and the plans for the eases, for their painting and their arrangement within the space allotted, were approved with practical unanimity.

As the installation of the exhibits proceeded, it began to be evident that the wool manufacturers had given too little attention in their plans to the decorative feature of the display, especially when contrasted with the expensive and highly ornamental pavilions and frontages erected all about them in the Manufactures Building, by the foreign nations and by individual exhibitors from the United States. To avoid the suggestion of a mean and niggardly spirit, it was urged that a decorative front should be constructed upon Columbia avenue; and this suggestion finally took the form of a demand on the part of the Exposition authorities. Another meeting of exhibitors was accordingly called in New York, on April 18, 1893, which was largely attended, and, after a full discussion of the subject, passed a resolution directing a committee to proceed with the erection of a front, upon plans to be approved by the Exposition authorities, and to levy an additional assessment to meet the cost. Some delay occurred in reaching an agreement with the authorities over plans for the decoration. This agreement was finally secured on plans made by Mr. Henry Ives Cobb, of Chicago, the architect who designed the Fisheries Building in the Exposition grounds, and its construction was immediately proceeded with, in combination with the silk manufacturers, who, occupying less than half the space assigned to the wool manufacture, generously contributed one-third of the total cost, which was \$9,000. The colonnade with outlying pavilions was completed before July 1, and is pronounced one of the handsomest and most characteristic decorations to be found in the entire Exposition.

The exhibit as it stands, both in the intrinsic merits of the products displayed and in their artistic presentation to the public, is a splendid demonstration of the development and progress of this great national industry. It is not only the finest and most complete exhibit of domestic woolen goods ever made, but is pronounced by experts superior

to any exhibit of like character ever made by any nation at any exposition.

There can be no doubt that the existence of the committee and the plan of a unified exhibit have resulted in a much larger and more representative presentation of the domestic wool manufacture than would have otherwise been the case. It was the means of securing to this industry its splendid location, in the centre of the great Manufactures Building, directly on the main avenue, where the exhibit is seen by every passer-by.

Absence of similar coöperation resulted in a great curtailment of the space allotted to many industries, and in consequence, in very inadequate displays of their products. This result is particularly to be regretted in the departments of carpets and upholstery goods. The original plan contemplated a union of these manufacturers with those who are embraced in the unified exhibit. This plan was abandoned because they did not require ease-room. The space finally allotted them was so small that the carpet manufacturers and the makers of worsted upholstery goods withdrew in a body. The splendid carpet industry of America, surpassing in the quantity and quality of its product that of any other nation, is represented by a single exhibitor; and our highly developed and progressive upholstery goods manufacture is equally meager in its display.

With these exceptions, the goods covered by this catalogue and displayed in Section "P" of the Manufactures Building, represent every considerable branch of the domestic wool manufacture. The exhibits are noteworthy in that they come from so many different States, and represent so fairly the products of our smaller mills, as well as of the very largest. An analysis of the catalogue shows that one hundred and five mills are represented in the exhibits, situated in twenty-one States, the number of mills in each State being as follows:

Massachusetts	.	.	.	25	Illinois	.	.	.	.	2
New York	.	.	.	13	Colorado	.	.	.	.	1
Connecticut	.	.	.	11	Delaware	.	.	.	.	1
Rhode Island	.	.	.	11	Louisiana	.	.	.	.	1
Pennsylvania	.	.	.	10	Michigan	.	.	.	.	1
Maine	.	.	.	5	Minnesota	.	.	.	.	1
New Hampshire	.	.	.	5	Mississippi	.	.	.	.	1
New Jersey	.	.	.	5	Ohio	.	.	.	.	1
Wisconsin	.	.	.	5	Vermont	.	.	.	.	1
Indiana	.	.	.	3	Virginia	.	.	.	.	1

Of the above mills three are cotton mills, whose products are exhibited by their commission houses in connection with the products of the woollen mills they represent. The Arlington and Mississippi Mills also exhibit cotton products of their own manufacture. Of the above estab-

lishments, fifteen are manufacturers of hosiery and knit goods, utilizing wool, cotton, and silk. Other exhibits of wool manufactures, located elsewhere in the building, are made by the Pacific Mills, in the cotton section (O), the Read Carpet Company, of Bridgeport, Conn., in Gallery F, the John B. Stetson Co., of Philadelphia, hat manufacturers, and the Massachusetts Mohair Plush Company, of Lowell, in Gallery F.

The mills include many which have been in existence almost from the opening of the century, and others which have begun operations within a comparatively few years. Of the present exhibitors, thirty-three were also exhibitors at the Centennial Exposition in Philadelphia, in 1876, as follows:

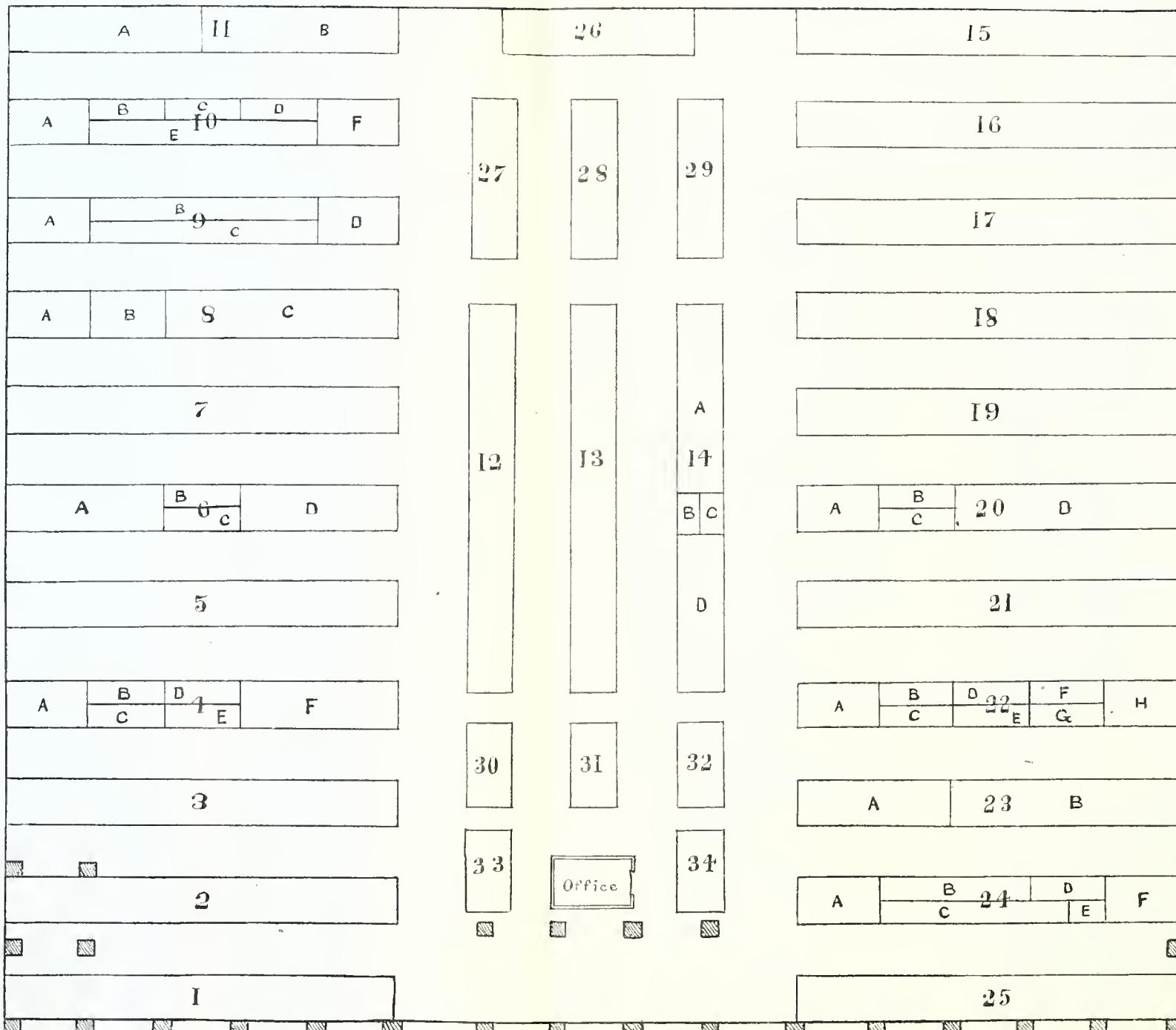
ARLINGTON MILLS . . . . .	Lawrence, Mass.
BALLARDVALE MILLS . . . . .	Ballardvale, Mass.
BELVIDERE WOOLEN CO. . . . .	Lowell, Mass.
BROAD BROOK CO. . . . .	Broad Brook, Conn.
BURLINGTON WOOLEN CO. . . . .	Winooski, Vt.
ERBEN, SEARCH CO. . . . .	Philadelphia, Pa.
FARR ALPACA CO. . . . .	Holyoke, Mass.
S. B. & B. W. FLEISHER . . . . .	Philadelphia, Pa.
GERMANIA MILLS . . . . .	Holyoke, Mass.
GLOBE WOOLEN CO. . . . .	Utica, N.Y.
HOCKANUM CO. . . . .	Rockville, Conn.
MERRIMAC WOOLEN CO. . . . .	Draeut, Mass.
MISSISSIPPI MILLS . . . . .	Wesson, Miss.
NEW ENGLAND CO. . . . .	Rockville, Conn.
NIANTIC MILLS . . . . .	East Lynn, Co.
NORTH STAR WOOLEN MILLS . . .	Minneapolis, Minn.
NORWICH WOOLEN CO. . . . .	Norwich, Conn.
PACIFIC MILLS . . . . .	Lawrence, Mass.
PEACE DALE MILLS . . . . .	Peace Dale, R.I.
READ CARPET CO. . . . .	Bridgeport, Conn.
ROCK MANUFACTURING CO. . . . .	Rockville, Conn.
SANFORD MILLS . . . . .	Sanford, Me.
SAWYER WOOLEN CO. . . . .	Dover, N.H.
SHULER & BENNINGHOVEN . . . . .	Hamilton, O.
C. H. & F. H. STOTT . . . . .	Stottville, N.Y.
E. TITUS & SON . . . . .	Poughkeepsie, N.Y.
WANSKUCK CO. . . . .	Providence, R.I.
WASHINGTON MILLS . . . . .	Lawrence, Mass.
WATERLOO WOOLEN CO. . . . .	Waterloo, N.Y.
WAUMBECK CO. . . . .	Milton Mills, N.H.
WEYBOSSET MILLS . . . . .	Providence, R.I.
WM. WOOD & CO. . . . .	Philadelphia, Pa.
WORUMBO MANUFACTURING CO. . .	Lisbon Falls, Me.



DIAGRAM SHOWING LOCATION OF CASES.

ASSOCIATED EXHIBIT OF AMERICAN WOOL MANUFACTURES,

WORLD'S COLUMBIAN EXHIBITION, 1893.



COLUMBIA AVENUE

5 10  
Feet

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## CATALOGUE OF EXHIBITORS AND EXHIBITS.

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Exhibit  
No.

### CASE 1.

#### 1. Thomas Dolan & Co., Philadelphia, Pa.

*Exhibits.* — Woolens, worsteds, and cloakings.

### CASE 2.

#### 2. Mississippi Mills, Wesson, Miss.

President, James S. Richardson; Secretary and Treasurer, R. E. Williams; Superintendent, Jno. Hopkinson; Selling Agents, O. H. Sampson & Co., Boston, New York, and Philadelphia.

Incorporated 1871; capital, \$344,000. Woolen mill, 21 sets, with floor space for 9 sets more. Cotton mill, 16,000 spindles, with floor space for 15,000 more. Equipped for all necessary work from the raw material to the finished product. Situated on the Illinois Central R.R., 138 miles north of New Orleans, in the "Pine Hill" region of Mississippi, 450 feet above the sea level. The operatives are from the native white people of the vicinity. Awarded gold medals at Philadelphia in 1876, Atlanta 1881, New Orleans 1885.

*Exhibits.* — Woolen and cotton fabrics: cassimeres, cheviots, meltons, fine jeans, fancy shirtings, dress goods, checks, plaids, cottonades, and hosiery.

### CASE 3.

#### 3. Worumbo Manufacturing Company, Lisbon Falls, Me.

President, George P. Slade, New York; Treasurer, Galen C. Moses, Bath, Me.; Clerk, F. H. Twitehell, Bath, Me.; Agent, John Ballantyne, Lisbon Falls, Me.; Selling Agents, Deering, Milliken & Co., 79 Leonard street, New York; Francis A. Foster & Co., 72 Franklin street, Boston.

Incorporated 1864; capital, \$500,000; 21 sets cards; 110 looms.

*Exhibits.* — Chinehillas, flockoneès, velours, beavers, meltons, kerseys, box cloths, carriage cloths, and indigo flannels.

Exhibit  
No.**CASE 4.****4. Appleton Woolen Mills, Appleton, Wis.**

President, A. P. Harwood; Secretary and Treasurer, D. V. N. Harwood; General Manager, F. J. Harwood.

Organized 1881; capital, \$75,000; 2 sets of wool cards.

The pioneer mill west of the Ohio on paper-makers' felts.

*Exhibits.* — Paper-makers' felts, and fine fulled flannels.

**5. E. G. Carlton & Sons, Rochdale, Mass.**

Sell direct; 4 sets wool cards.

*Exhibits.* — Flannels and woolen goods.

**6. McFarlan & Co., Amsterdam, N.Y.**

Selling Agents, Knower & Cooley, New York.

*Exhibits.* — Knit goods and hosiery.

**7. Saxon Worsted Company, Providence, R.I.**

Arthur Benn, President; E. S. Dunn, Vice-President; I. G. Ladd, Treasurer; J. B. Dunn, Managing Director; Selling Agent, Frank E. Anderson, with Catlin & Co., 216 Church street, New York.

Incorporated 1888.

*Exhibits.* — Finest grade fancy worsted cloths.

**8. Star Knitting Company, 142 and 144 West Washington street, Chicago, Ill.**

Manufacturers of the celebrated Phyllis full-fashioned underwear for ladies, misses, and children.

*Exhibits.* — Knitted goods, hosiery, etc.

**9. Washington Mills, Lawrence, Mass.**

John Hogg, President; Frederick Ayer, Treasurer; William M. Wood, General Manager; E. P. Chapin, Lawrence, Mass., Resident Agent; Selling Agent, S. J. Weaver. Salesrooms, 74 and 76 Worth street, New York, and 67 Chauncy street, Boston.

Organized 1886; capital, \$2,500,000; 80 sets wool cards and 52 combs. Manufacture men's wear, cloakings, dress goods, worsted and woolen yarns, etc.

*Exhibits.* — Yarns, overcoatings, and cloakings, woolen goods, dress goods, and worsted suitings.

**CASE 5.****10. Berkeley Mills, Wales, Mass.**

H. E. Shaw, Proprietor; Selling Agents, Bramhall Bros. & Co., 59 Leonard street, New York.

Established by Elijah Shaw in 1847; 4 sets; 20 broad looms. This mill was among the first in this country to manufacture all-wool meltons and kerseys for men's wear. The present proprietor is the son of the founder, and succeeded him in 1890.

*Exhibits.* — Fine kerseys and meltons.

**11. Bound Brook Woolen Mills, Bound Brook, N.J.**

President and Treasurer, Henry L. Einstein; Selling Agents, Bramhall Bros. & Co., 59 Leonard street, New York.

Incorporated 1880; 12 sets cards; 108 broad looms. The officers and owners of this mill were among the first to undertake the manufacture of cotton-warp chinchillas and kindred fabrics in this country, and their present especially equipped mill at Bound Brook, New Jersey, is a model of arrangement in the economy of labor and power. Their exhibit represents an output of nearly eight miles of cloth per week, which for many years has been engaged in advance of its manufacture. The established superiority of the goods of this mill over similar goods made in other countries lies in their uniformity of grade and serviceable adaptability to the uses intended.

*Exhibits.* — Cotton-warp overcoatings, union cassimeres, and cloakings.

**12. George C. Hetzel & Co., Chester, Pa.**

Selling Agents, Bramhall Bros. & Co., 59 Leonard street, New York.

Established in 1879; 120 broad looms. This enterprise was started in Philadelphia, under the firm name of B. W. Greer & Hetzel, and the value of its production that year was \$20,000. The business soon outgrew its first home, and, under the changed firm-name of George C. Hetzel & Co., moved to its present modern-equipped mill at Chester, Pa. Their capacity is now about 4,400 yards of broad worsted cloth per day, and the value of its annual product is over \$1,250,000. Their fabrics have been selected by the Knowles Loom Works to exhibit the workings of their latest improved looms, in Machinery Hall of the Columbian Exposition.

*Exhibits.* — Worsted and woolen suitings and coatings.

**13. Kiamensi Woolen Company, Kiamensi, Del.**

President, Thomas Pilling; Treasurer, John Pilling; Selling Agents, Bramhall Bros. & Co., 59 Leonard street; New York.

Established in 1864 in connection with the then established Dean Mill of Newark, Del., since destroyed by fire; capital, \$133,000; 5 sets; 40 broad looms. Its present officers and owners have been identified with the manufacture of cassimeres and cheviots since 1851. The mill many years ago specialized all wool cheviots, and has been engaged in their manufacture longer than any other mill in America. The capacity is about 1,000 yards of broad goods per day, the annual value of which is about \$450,000.

*Exhibits.* — Fancy cassimeres and cheviots.

**CASE 6.****14. American Loop Fabric Company, Brooklyn, N.Y.**

*Exhibits.* — Carriage robes, afghans, bed covers, ventilated quilts, crib blankets, upholstery goods, ornamental loop and fabrics. Fabrics and machinery patented.

Exhibit  
No.

**15. Muncy Woolen Mills Company, Muncy, Pa.**

James Coulter, President; George H. Rogers, Treasurer.

Incorporated 1892; capital, \$68,000; 3 sets wool cards.

*Exhibits.* — Woolen blankets.

**16. Racine Woolen Mills, Blake & Co., Racine, Wis.**

L. S. Blake, President; J. S. Hart, Treasurer and Manager.

Established 1865; incorporated 1877; 5 sets of cards.

*Exhibits.* — Woolen shawls.

**17. Sawyer Woolen Mills, Dover, N.H.**

Treasurer, W. D. Sawyer; Superintendent, T. M. Clark; Selling Agents, F. A. & J. Sawyer, New York.

Established 1823; capital, \$600,000; 37 sets of cards; 3 combs.

The mills are located in Dover, N.H., on the three lower falls of the Bellamy river, all of the water power of which is owned and controlled by the corporation. They are also on the line of the Portsmouth & Dover branch of the B. & M. R.R. The mills have all been rebuilt and enlarged during the past twenty years, and are operated by steam and water power, and equipped with the best machinery and appliances known in the business for the manufacture of fine woolen and worsted goods. The business was commenced by Alfred I. Sawyer in 1823, who for a few years carried on the custom business, carding wool and dressing cloth. In 1832 he commenced to manufacture wool flannels, which was carried on until 1859-60, when the machinery was changed for the manufacture of cassimeres and other cloths for men's wear. After his death, which occurred in 1849, the business was carried on by his brothers, Francis A. and Jonathan Sawyer, under the firm name of F. A. & J. Sawyer. In 1873 the mills were incorporated under the name of the Sawyer Woolen Mills, with a capital stock of \$600,000, the old firm of F. A. & J. Sawyer continuing as the selling agents of the corporation. The business, which employed about sixty hands in 1860, now employs over six hundred hands. The goods manufactured by these mills have a high reputation and are widely known. They are made of pure wool and are carefully manufactured, and particularly designed to meet the tastes and requirements of the great masses of the people. The goods on exhibition in the Columbian Fair are taken from the regular products of the mills for the current year.

*Exhibits.* — Fancy cassimeres and worsted suitings.

### CASE 7.

**18. Hockanum Company, Rockville, Conn.**

George Sykes, President and Manager; Francis T. Maxwell, Secretary and Treasurer. Salesrooms, 62 Worth street, New York.

Commenced 1836; capital, \$300,000; 10 sets of cards; 162 broad looms. Manufacture fancy cassimeres and worsted goods.

*Exhibits.* — Woolen goods and worsted goods.

Exhibit  
No.

**19. New England Company**, Rockville, Conn.

George Sykes, President; A. Park Hammond, Treasurer; B. F. Meller, Superintendent. Salesroom, 62 Worth street, New York.

Commenced 1837; capital, \$240,000; 9 sets of cards; 109 broad looms. Manufacture cassimeres and worsted goods.

*Exhibits.* — Woolen goods and worsted goods.

**20. North Adams Manufacturing Company**, North Adams, Mass.

H. G. B. Fisher, President; E. B. Penniman, Treasurer; Thos. W. Sykes, Superintendent. Salesroom, 64 Worth street, New York. Commenced 1864; capital, \$150,000; 11 sets of wool cards.

Mills at North Adams, Mass., on the Hoosac River, using both water and steam power. The goods made are of high class; pure wool only (no shoddy); and combed (worsted) yarns being used. About two hundred and seventy-five hands are employed. Goods exhibited at the Columbian Fair are from regular production, and were not made especially.

*Exhibits.* — Cassimeres and worsteds.

**21. Springville Company**, Rockville, Conn.

George Sykes, President; William Maxwell, Treasurer. Salesroom, 62 Worth street, New York.

Capital, \$250,000; 5 sets of cards; 114 broad looms. Manufacture fancy cassimeres and worsted goods.

*Exhibits.* — Cassimeres and worsted goods.

### CASE 8.

**22. Charlottesville Woolen Mills**, Charlottesville, Va.

President, H. C. Marchant; Vice-President, C. A. Furbush; Treasurer, John L. Cochran; Selling Agents, Gowing, Sawyer & Co., Boston and New York (for New York State, New England and Pacific States). Otherwise sell direct from mills through their own travelling salesmen.

Organized 1869; capital, \$156,000; 5 sets 60-inch cards; 29 Knowles looms. Specialty, military goods.

*Exhibits.* — Dark and sky-blue and cadet-gray meltons and doe-skins; fine kersey and Venetian overcoatings.

**23. Hay & Todd Manufacturing Co.**, Ypsilanti, Mich.

D. L. Quirk, President; J. V. Colvan, Vice-President; Wm. F. Kneip, Secretary and Treasurer. Eastern Agents, Verdier, Schultz, & Hardy, 486 Broadway, New York. Sell goods direct.

Incorporated 1885; capital, \$150,000; 4 sets cards.

*Exhibits.* — Silk, health wool, Merino, lisle-thread and sanitary Balbriggan underwear.

**24. Waukenhose Company**, Boston, Mass.

Williston A. Cady, President; Wm. H. Howard, Treasurer; Walter C. Lewis, Manager. Salesroom, 76 Chauncy street, Boston.

Incorporated 1890; capital, \$500,000.

*Exhibits.* — Extra fashioned, tailor trimmed underwear.

Exhibit  
No.

## CASE 9.

25. **Lewis Knitting Company**, Janesville, Wis.

S. B. Lewis, President; F. F. Lewis, Secretary and Treasurer.

Incorporated 1890; capital, \$75,000.

*Exhibits.* — Extra fashioned, tailor trimmed underwear.26. **Thomas Oakes & Co.**, Bloomfield, N.J.

Selling Agents, Sullivan, Vail &amp; Co., 329 Broadway, New York.

Established 1830; 14 sets of cards; 70 broad looms.

Established by David Oakes, on the same premises now owned and occupied by his successors, who have largely extended the plant. Previous to the Civil war, the mill was chiefly engaged in making fine tweed suitings for the Southern trade. The production consists of all-wool fancy suitings, chinchilla, beaver, melton, and kersey overcoatings, and carriage cloths in large variety, and indigo-blue cloths for police, fire, railroad, militia, and navy purposes. The mill is run chiefly by steam, and is lighted with incandescent electric lamps. The present selling agents, with their predecessors, have sold the goods of the firm for nearly fifty years.

*Exhibits.* — Beaver and kersey overcoatings, doeskins, meltons, carriage cloths, and indigo-blue uniform cloths.

27. **Raritan Woolen Mills**, Raritan, N.J.

President and Treasurer, David L. Einstein; Vice-President, Emanuel Einstein; Secretary, Adolph Mack; Superintendent, J. Harper Smith. Selling Office, 14 and 16 White street, New York.

Founded 1865; 31 sets of cards, and 250 broad looms; 600 operatives.

*Exhibits.* — Fancy cassimeres, suitings, chinchillas, cloakings, and overcoatings.

28. **Somerset Manufacturing Company**, Raritan, N.J.

President, David L. Einstein; Treasurer, Emanuel Einstein; Secretary, Adolph Mack; Superintendent, J. Harper Smith; Selling Office, 14 and 16 White street, New York.

Established in 1880; 20 sets of cards; 150 broad looms; 400 operatives.

*Exhibits.* — Fancy cassimeres, suitings, chinchillas, cloakings, and overcoatings.

29. **Weybosset Mills**, Providence, R.I.

President, Jacob Wendell; Treasurer, James W. Taft; Superintendent, Frank E. Weeden; Agents, Taft, Weeden & Co., Providence; Selling Agents, Jacob Wendell & Co., New York.

Established 1852; capital, \$350,000; 31 sets cards; 8 combs; 184 broad looms. Bradford & Taft commenced manufacturing fancy cassimeres in 1852. Taft, Weeden & Co. succeeded to the business of Bradford, Taft & Co. in 1864. The Weybosset Mills, Providence, R.I., began operations in 1865, and were incorporated in that year.

*Exhibits.* — Fancy worsteds and woolens.

Exhibit  
No.

### CASE 10.

**30. Alden Knitting Mills**, 138 and 140 Julia street, New Orleans, La.

A. W. McLellan, President; Alden McLellan, Secretary and Treasurer; E. P. Sheridan, Superintendent.

Have selling agents in New York, Boston, Baltimore, Pittsburgh, Cleveland, St. Paul, Chicago, Denver, and San Francisco; also sell direct.

Incorporated and established January, 1891. Manufacture finest gauge and best quality of seamless half hose. Seventy-five machines. Capacity, 300 dozen per day.

*Exhibits.* — Cotton, cassimere wool, and silk seamless half hose, finest gauge, and richest stock.

**31. Blackstone Woolen Company**, Blackstone, Mass.

Selling Agents, Converse, Stanton & Cullen, 83 and 85 Worth street, New York; 24 sets cards; 154 broad, 8 narrow looms. The No. 1 Woolen Mill, Blackstone, Mass., was built by W. and D. D. Farnum, and occupied by them until the year 1851; since which time the mill has been operated by the present owners, the Blackstone Woolen Company.

*Exhibits.* — Worsteds, cassimeres, and kerseys of fine quality.

**32. Devonshire Mills**, Goff's Falls, N.H.

Edwin Smith, President; Frederick D. Allen, Treasurer; Selling Agents, Allen, Lane & Co., Boston and New York.

Commenced 1886; capital, \$100,000; 13 sets wool cards.

*Exhibits.* — Cheviots, cassimeres, cloakings.

**33. George's River Mills**, Warren, Me.

Charles W. Parker, President; Frederick D. Allen, Treasurer; Selling Agents, Allen, Lane & Co., Boston and New York.

Commenced 1878; capital, \$100,000; 7 sets of cards. Manufacture Scotch cheviots, fancy cassimeres, and overcoatings.

*Exhibits.* — Cheviots and friezes.

**34. Glastonbury Knitting Company**, Addison, Hartford Co., Conn.

President and Assistant Treasurer, A. L. Clark, Manchester Green, Conn.; Vice-President, Edward W. Scott, 78 Franklin street, New York; Treasurer, George W. Scott, 78 Franklin street, New York; Selling Agents, Scott Brothers, 78 Franklin street, New York.

Established 1853; capital \$40,000; 10 sets cards. Three mills, two at Addison (formerly Glastonbury) and one at Manchester Green, Conn., all under the management of A. L. Clark. The manufactures of the company are exclusively men's all-wool and merino underwear.

*Exhibits.* — Men's all-wool and merino underwear.

**35. Phenix Mills**, L. L. Allen & Brothers, Rochester, N.Y. New York office, Ethan Allen, 99 Franklin street.

Established 1887; 3 sets cards; 30 broad, 5 narrow looms; steam

Exhibit  
No.

power. L. L. Allen commenced business in September, 1887, at the present location, and the following year Ethan and Harry Allen came into the business, making the firm of L. L. Allen & Brothers.

*Exhibits.* — Light and medium-weight fine flannels; cotton and silk warp with wool weft, made in plain and fancy patterns, suitable for shirtings and suitings; dress goods, cloakings, and overcoat linings.

**36. Seymour Woolen Factory Company, Seymour, Ind.**

L. Schenck, President and Manager; John Oesting, Secretary and Treasurer.

Incorporated 1866; reorganized with the present management in 1872; capital, \$113,000; 8 sets wool cards.

*Exhibits.* — Strictly all-wool blankets, shirting, and dress flannels, flannel skirts, and knitting yarns.

**CASE 11.**

**37. Erben, Search & Co., 26 South Third street, Philadelphia, Pa.**

Fairmount Worsted Mills. Tacony Worsted Mills.

The Fairmount Mills were founded by Samuel Yewdell, who set up the first power combing-machine in Philadelphia in 1857. Three years later the second machine was set up by John Yewdell, his brother. As the trade demand for finer yarns from merino wool increased, Noble combs have been substituted for the Lister make. The firm now manufactures largely warp yarns for men's cassimeres from medium and fine wools, both domestic and Australian. Fiss, Banes & Erben purchased the Fairmount Mills from John and William Yewdell in 1870, and admitted Theodore C. Search into the firm in 1872, which then became Fiss, Banes, Erben & Co. In 1882 they were succeeded by Erben, Search & Co. (Henry Erben, Theodore C. Search, Charles H. Harding, and Walter Erben.) In 1891 Warner J. Banes was admitted, the firm name remaining unchanged. Mr. Search was elected treasurer of the John B. Stetson Company in January, 1893, and withdrew from active participation in the business. The Tacony Worsted Mills were built in 1884, and the machinery for washing, carding, and combing, with many additions, was transferred to it. The Fairmount Worsted Mills are now exclusively a spinning-mill, and the Tacony a combing-mill, the latter the first in the United States to enter regularly into the business of combing on commission (the deliveries of which are at the rate of about 1,000,000 pounds per annum), and the allied trade of selling tops.

*Exhibits.* — 1. Worsted yarns, English system. The Fairmount Mills made the first worsted warp yarns used in this country for men's-wear goods. Their English machinery is almost entirely occupied with the manufacture of these yarns, running from 2/10 cheviot warp, quarter-blood, to 2/50 warp from the finest Australian wools.

2. "French" worsted yarns. The exhibit shows the standard

counts used, both in the white and so-called Jaeger colors, made on the high-class spinning-machinery of the Société Alsacienne.

3. Woolen yarns. Showing, in oil, various warp and filling yarns, made on orders for a regular trade, and also the well-known Germantown wool.

4. Merino yarns. Made from processed Australian lambs' wool, and full rough Peruvian cotton.

5. Genapped yarns. Made of yarns of their own spinning, and also on commission.

6. Tops. Showing the greasy wools, the same scoured, and the products of combing, tops and noils.

7. Processed wools. While carbonized wools have long been utilized by many mills, the method and machinery used at Tacony Mills were the first to furnish the trade with a uniformly good and safe standard product.

**38. William Wood & Co., 22d and Spring Garden streets, Philadelphia, Pa.**

Pequea Mills; Mount Vernon Mills. Selling Offices, 51 Leonard street, New York; 211 Jackson street, Chicago; 56 Summer street, Boston.

Established 1838. The reputation of this firm has grown with the increase of their business, and they are firmly established as manufacturers of excellent fabrics and designers of choicest styles. Owning and operating at Philadelphia one of the largest individual plants in the country, making purchases of all materials from first hands, and selling their products direct to the clothier and jobber, they are enabled to manufacture and sell at the lowest possible prices commensurate with a high standard of manufacture. Their exhibit at the Centennial Exhibition, Philadelphia, attracted the attention of the judges and experts, and obtained for them the first premium medal.

*Exhibits.* — Pequea Mills: Cheviots, cassimeres, and worsted suitings, with specialties in trouserings.

Mount Vernon Mills: Cotton shirtings and dress goods in specialties.

**CASE 12.**

**39. Belvidere Woolen Manufacturing Company, Lowell, Mass.**

Benjamin Phipps, President; Charles A. Stott, Treasurer and Agent; Selling Agents, Parker, Wilder & Co., Boston and New York.

Commenced 1834; capital, \$200,000; 16 sets of cards. Manufacture all-wool flannels and dress goods.

*Exhibits.* — Woolen goods.

**40. Clarendon Mills, West Boylston, Mass.**

Benjamin Phipps, Treasurer; George M. Lourie, Agent; Parker, Wilder & Co., Selling Agents, Boston and New York.

Exhibit  
No.

Organized 1876; capital, \$100,000. Manufacture crochet quilts and satteens.

*Exhibits.*—Crochet quilts.

**41. Cocheco Woolen Manufacturing Company**, East Roehester, N.H.

William H. Sherman, President; Benjamin Phipps, Treasurer; Selling Agents, Parker, Wilder & Co., Boston and New York.

Commenced 1862; capital, \$150,000; 18 sets of cards. Manufacture cheviots, flannels, suitings, and sackings.

*Exhibits.*—Flannels, suitings, and sackings.

**42. Gonic Manufacturing Company**, Gonie, N.H.

Benjamin Phipps, Treasurer; S. C. Meader, Agent; Selling Agents, Parker, Wilder & Co., Boston and New York.

Commenced 1859; capital, \$100,000; 12 sets of cards. Manufacture all-wool flannels and dress goods.

*Exhibits.*—Dress goods and flannels.

**43. Monadnock Mills**, Claremont, N.H.

Franeis J. Parker, Treasurer; D. W. Johnson, Agent; Selling Agent, Parker, Wilder & Co., Boston and New York.

Organized 1846; capital, \$250,000. Manufacture quilts, sheetings, etc.

*Exhibits.*—Sheeting and Marseilles quilts.

**44. Charles A. Stevens & Co.**, Ware, Mass.

Selling Agents, Parker, Wilder & Co., Boston and New York.

Twelve sets of cards. Manufacture flannels.

*Exhibits.*—Fine Flannels.

**45. Stirling Mills**, Lowell, Mass.

Benjamin Phipps, Treasurer; E. D. Holden, Agent; Selling Agents, Parker, Wilder & Co., Boston and New York.

Ineorporated 1880; capital, \$100,000; 11 sets of cards. Manufacture all-wool flannels, cheviots, etc.

*Exhibits.*—All-wool flannels, cheviots, etc.

**46. Talbot Mills**, North Billerica, Mass.

Solomon Lineoln, President; F. S. Clark, Treasurer; Selling Agents, Parker, Wilder & Co., Boston and New York.

Ineorporated 1884; capital, \$300,000; 20 sets of cards. Manufacture all-wool flannels and flannel dress-goods.

*Exhibits.*—Woolen goods.

**CASE 13.**

**47. Ballardvale Mills**, Ballardvale, Mass.

Selling Agents, W. L. Strong & Co., New York.

Established 1836; 14 sets wool cards. Manufacture all-wool flannels and yarns.

*Exhibits.*—Yarns and flannels.

**48. Conestogo Mills**, F. Shroeder & Co., Lancaster, Pa.

W. L. Strong & Co., Selling Agents.

700 looms. Manufacture cheviots.

*Exhibits.*—Cotton goods.

**49. Niantic Mills Company, East Lyme, Conn.**

A. P. Sturtevant, Treasurer; C. P. Sturtevant, Agent; Selling Agents, W. L. Strong & Co., New York.

Commenced 1877; capital, \$150,000; 8 sets of cards. Manufacture dress flannels.

*Exhibits.*—Woolen goods and cotton and woolen mixed goods.

**50. Norwich Woolen Company, Norwich, Conn.**

Francis Cabot, Treasurer; A. P. Sturtevant, Agent; Selling Agents, W. L. Strong & Co., N.Y.

Commenced 1863; capital, \$100,000; 11 sets of cards. Manufacture flannels and ladies' dress-goods.

*Exhibits.*—Woolen goods, cotton and woolen mixed goods, woolen goods woven on cotton warps.

**51. C. H. & F. H. Stott, Stottville, New York.**

Selling Agents, W. L. Strong & Co., New York.

Established 1826; 48 sets of cards.

*Exhibits.*—Woolen goods, cotton and wool mixed, and woolen goods woven on cotton warps, etc.

**52. Elias Titus & Sons, Poughkeepsie, N.Y.**

Selling Agents, W. L. Strong & Co., New York.

Eight sets of cards. Manufacture white flannels.

*Exhibits.*—Woolen goods and cotton and woolen mixed goods.

**53. Waumbeck Company, Milton Mills, N.H.**

President, Amasa Clark, Boston, Mass.; Treasurer, Francis Cabot, Boston, Mass.; Superintendent, John A. Buguey, Milton Mills, N.H.; Selling Agents, W. L. Strong & Co., Boston and New York.

Established 1869; capital, \$100,000; 10 sets cards; 50 broad looms; power, steam and water.

*Exhibits.*—Fine all-wool serges, broadcloths, etc.

**54. Winthrop Mills Company, Winthrop, Me.**

Francis Cabot, Treasurer; R. C. McIlroy, Agent; Selling Agents, W. L. Strong & Co., Boston and New York.

Commenced 1866; capital, \$150,000; 10 sets of cards.

*Exhibits.*—Blankets, cotton and woolen mixed goods.

**CASE 14.****55. Burlington Woolen Company, Winooski, Vt.**

President, Joseph Sawyer, Boston; Treasurer, Thomas F. Patterson, Boston; Agent, F. C. Kennedy, Winooski, Vt.; Selling Agents, Sawyer, Manning & Co., 68 Chauncy street, Boston; 86 and 88 Franklin street, New York.

Established 1827; incorporated, 1861; capital and surplus \$800,000; 25 sets of cards; 165 broad looms; 5 water-wheels.

*Exhibits.*—Moscow beavers, broadcloths, fine fancy cassimeres, black doeskins, elysians, kerscys, overcoatings, cloakings, railroad

Exhibit  
No.

military, police, and telegraph cloth, indigo-blue flannels, and ladies, dress-goods.

**56. Calumet Woolen Company, Uxbridge, Mass.**

President, Isaac Feno, Boston; Treasurer, S. M. Wheelock, Uxbridge, Mass.; Agent, Arthur Wheelock, Uxbridge, Mass.; Selling Agents, Sawyer, Manning & Co., 68 Chauncy street, Boston; 86 and 88 Franklin street, New York.

Established 1846; capital, \$300,000; 20 sets of cards; 96 broad looms; steam and water power; 2 dyehouses.

Incorporated in 1883. In 1886 bought the Hecla Mill and made extensive improvements, supplying it with modern machinery.

*Exhibits.* — All-wool cassimeres.

**57. Clinton Worsted Company, Clinton, Mass.**

Treasurer and Manager, William Rodger; Selling Agents, Sawyer, Manning & Co., 68 Chauncy street, Boston; 86 and 88 Franklin street, New York.

Established in 1891; capital, \$100,000; 46 broad looms; steam and water power; dyehouse; buy yarns.

*Exhibits.* — Worsted suitings and trouserings.

**58. Empire Woolen Company, Clayville, N.Y.; Post-office Address, Utica, N.Y.**

President, Granville W. Williams, Utica, N.Y.; Treasurer, Robert A. C. Smith, New York; Selling Agents, Sawyer, Manning & Co., 68 Chauncy street, Boston; 86 and 88 Franklin street, New York.

Incorporated in 1860; capital and surplus, \$500,000; 15 sets of cards; 84 broad looms; steam and water power; dyehouse.

*Exhibits.* — Fancy cassimeres, worsteds, and overcoatings.

**59. Cranston Worsted Mills, Bristol, R.I.**

Charles B. Rockwell, Treasurer.

Incorporated 1887; capital, \$100,000; 6 combs.

*Exhibits.* — Mohair and worsted yarns, and novelty yarns.

**60. Folwell Bros. & Co., Philadelphia, Pa.**

Collingwood Mills, Third and Cambria streets, Philadelphia; sales-rooms, 475 Broadway, New York, and 625 Chestnut street, Philadelphia.

Beginning with the wool in the fleece they turn out the finished goods, all processes of sorting, preparing, carding, combing, drawing, spinning, weaving, dyeing, and finishing are done by this firm; the mills are lighted by electricity and have all modern conveniences for making goods with economy and dispatch; 12 sets of cards and 6 combs; 18,000 spindles; 330 looms.

*Exhibits.* — Worsted serges for men's wear, storm serges, woolen and worsted dress goods, woolen and worsted linings, and broad-cloths.

**61. Midland Woolen Mills, Denver, Col.**

*Exhibits.* — Woolen goods.

Exhibit  
No.

## CASE 15.

## 62. American Hosiery Company, New Britain, Conn.

President and Treasurer, John B. Taleott; Secretary and Superintendent, E. H. Davison; office and salesroom, 108 and 110 Franklin street, New York.

Organized in 1868; capital, \$300,000; 20 sets of cards. The goods manufactured comprise an almost endless variety of knit underwear and hosiery, of the finest quality of silk, worsted, cashmere, merino, Balbriggan, lisle thread, silk mixtures, etc., and of every weight and gauge. They include all styles of plain and ribbed goods for men, women, and children. The company manufacture their own yarns, their carding and spinning being done on the premises. The output of the mills is daily shipped to the New York warehouse, and from this centre distributed to the trade. John B. Talcott and E. H. Davison have had charge of the business since its beginning, and have seen the American Hosiery Company grow to be one of the largest establishments of the kind in America, if not in the world.

*Exhibits.* — Cotton, woolen, merino, worsted and silk full-fashioned hosiery and underwear, and mixtures of the same.

## CASE 16.

## 63. Germania Mills, Holyoke, Mass.

President, W. Stursberg; Treasurer, H. Stursberg; Secretary and Manager, William Mauer; Selling Agents, Wanskuck Company, 59 Worth street, New York.

Established 1864; capital, \$150,000; 18 sets of cards; 80 broad looms. Hermann Stursberg, of New York, and others, recommended with a plant consisting of 6 sets of cards and 30 looms.

*Exhibits.* — Overcoatings, kerseys, beavers, cloakings, and fancy cassimeres.

## 64. Wanskuck Mills, Providence, R.I.

Jesse Metcalf, Treasurer; S. O. Metcalf, Agent; Jesse H. Metcalf, Superintendent; Selling Agents, Metcalf Bros. & Co., 57 Worth street, New York.

Commenced 1864; capital, \$500,000; 20 worsted cards and 12 combs.

*Exhibits.* — Worsted goods.

## CASE 17.

## 65. Swits Condé, Oswego, N.Y.

Salesrooms, 108 and 110 Franklin street, New York; factory at Oswego, N.Y.

*Exhibits.* — Knit fabric in pure wool, silk, worsted, etc.

Exhibit  
No.**CASE 18.**

Hinck & Ould, 53 Worth street, New York, are selling agents for all manufacturers whose products are exhibited in Case 18.

**66. Glendale Woolen Mills, Glendale, R.I.**

Wm. Orrell, Proprietor; 9 sets of wool cards; 42 looms. Manufacturers of cheviots.

*Exhibits.* — Woolen goods.

**67. Horace A. Kimball, Manton, R.I.**

Manufacturer of worsteds; 7 sets of cards; 130 broad looms.

*Exhibits.* — Cassimeres.

**68. F. Milner & Co., Moosup, Conn.**

Seventeen sets of cards; 85 looms. Manufacturers of fancy cassimeres.

*Exhibits.* — Cassimeres.

**69. Wm. Tinkham & Co., Burrillville, R.I.**

Manufacturers of worsteds; 10 sets of cards; 130 broad looms.

*Exhibits.* — Worsted goods.

**70. Connor Brothers, Holyoke, Mass.**

Manufacturers of woolens; 32 broad and 62 narrow looms.

*Exhibits.* — Beavers, cassimeres, tricot, and friezes.

**71. B. Wink & Weed, Philadelphia, Pa.**

Manufacturers of worsteds; 38 broad looms.

*Exhibits.* — Worsted goods.

**CASE 19.****72. Sanford Mills, Sanford, Me.**

President, Hon. E. M. Goodall, Sanford, Me.; Treasurer, John Hopewell, Jr., Boston, Mass.; Assistant Treasurer, Frank Hopewell, Boston, Mass.; Clerk, Louis B. Goodall, Sanford, Me.; Selling Agents, L. C. Chase & Co., 129 Washington street, Boston; Branch Offices, New York, Chicago, and San Francisco.

Established 1867; capital, \$400,000; 16 sets of cards, 4 combs, 91 broad and 100 plush looms. Thomas Goodall, of Sanford, Me., commenced the manufacture of plush carriage-robés in 1867, with two sets of machinery, in a two-story building, forty feet square, giving employment to forty employees. This was the first mill to make plush carriage-robés and velours in this country. Later two mills were added for the manufacture of wool square horse-blankets, and stands to-day at the front in this line of manufacture. In 1882 the Goodall Brothers, of Sanford, Me., started the manufacture of fine grades of high-pile furniture and car plush. Theirs was the first mill built in this country for the manufacture of high-pile furniture plush, and was incorporated with the Sanford Mills in 1885, and to-day comprises seven mills, covering fourteen acres of floor space, and gives employment to over 1,000 operatives.

It is the largest plant for the manufacture of car and furniture plushes on this continent.

*Exhibits.* — Plush carriage-robcs, wool carriage-robcs, vclours, robe linings, plush moquettes, horse blankets, kerseys, mohair furniture-plush, mohair car-plush of all grades, and Windsor pluhses.

### CASE 20.

**73. Jacksonville Woolen Mills**, J. Capps & Sons, Limited, Jacksonville, Ill.

President, S. R. Capps; Secretary, W. E. Capps; Treasurer, J. L. Capps; Superintendent, Walter Fieldhouse. Sell their own goods.

Established 1839; capital, \$200,000; 7 sets of cards; 50 looms; dyehouse; steam power. Joseph Capps commenced by carding wool into rolls for country spinning. He began spinning yarn and weaving goods in 1852.

*Exhibits.* — Fine grades of hlankets, Indian robes and carriage robes, cassimeres of staple and fancy grades, flannels, cloakings for ladies' wear, skirts and skirtings, broadcloths, etc.

**74. Dr. Jaeger's Sanitary Woolen System Company**, New York.

President, Hermann Schaeffer; Vice-President and Treasurer, Ernest Benger.

Incorporated April, 1887, under the laws of the State of New York, for manufacturing and selling Dr. Jaeger's Sanitary Woolen System goods.

*Exhibits.* — Every variety of articles of clothing made according to the system prescribed by Dr. Jaeger. The goods exhibited were made hy a number of manufacturers.

**75. Sebasticook Woolen Mills**, Hartland, Me.

H. C. Fuller, Agent; Selling Agent, H. J. Libby & Co., New York; Established 1864; 8 sets of cards, 41 looms.

*Exhibits.* — Woolen shawls and cloakings.

Incorporated as Linn Woolen Co. July 1, 1893; capital, \$225,000.

H. C. Fuller, President and Treasurer; T. C. Linn, Secretary.

**76. Waterloo Woolen Manufacturing Company**, Waterloo, New York.

Albert M. Patterson, President; William Greenough, Vice-President; E. J. Rogers, Secretary; Selling Agents, Patterson & Greenough, 41 Worth street, New York.

Organized 1836; capital, \$150,000; 21 sets of cards.

*Exhibits.* — Woolen goods for men's wear; shawls; carriage cloths.

### CASE 21.

**77. Arlington Mills**, Lawrence, Mass.

President, George A. Nickerson; Treasurer, William Whitman, 78 Chauncy street, Boston; Selling Agents, Harding, Whitman & Co., 78 Chauncy street, Boston; 82 Leonard street, New York.

Exhibit  
No.

Established 1865; capital, \$2,000,000. Worsted mill.—Cards, 62; combs, 53; spindles, English system, 32,068; French, 4,640; twisting, 5,020; looms, 1,686. Cotton mill.—Cards, 120; combs, 56; spin-lines, spinning, 50,000; twisting, 10,000.

Established 1865 as Arlington Woolen Mills, with capital of \$200,000. Name changed to Arlington Mills, 1867, and the manufacture of worsted goods begun. The company was reorganized in December, 1869, and the capital stock increased to \$240,000. The present capital is \$2,000,000. At the Arlington Mills all the processes, both for cotton and wool, from the sorting of the raw materials to the boxing and shipping of the goods, are conducted under one management and as individual parts of the same establishment.

## WORSTED MILL.

Annual consumption of wool . . . . .	9,000,000 lbs.
“ production of yarn . . . . .	3,125,000 “
“ loom product . . . . .	15,000,000 yds.
No. of hands employed . . . . .	2,398

## COTTON MILL.

Annual consumption of cotton . . . . .	2,275,000 lbs.
“ production of yarn . . . . .	1,500,000 “
Number of hands employed . . . . .	453

*Exhibits.*—The Arlington cotton-warp fancy high-colored plaids, piece dyed cashmeres, all-wool cashmeres, all-wool serges, coat linings, ulster linings, Italian mohairs, and Canton cloths for the gossamer-rubber trade. Also fine worsted and cotton yarns for manufacturers' use.

## CASE 22.

78. **Farr Alpaca Company**, Holyoke, Mass.

Joseph Metcalf, Treasurer; H. M. Farr, Agent; Selling Agents, Coffin, Altemus & Co., New York.

Commenced 1874; capital, \$400,000; 10 combs.

*Exhibits.*—Worsted goods, woven on cotton warps; Mohair serges and Italian cloths.

79. **French & Ward**, West Stoughton, Mass.

Salesroom, 101 Franklin street, New York; 8 sets of cards. Manufacture cashmerettes, shoe-linings, cider-down flannels, and blankets, and stockinette.

*Exhibits.*—Eider-down flannels, blankets, and fairy cloakings.

80. **George Merritt & Co.**, Indianapolis, Ind

Sell their own goods; 3 sets of cards. Manufacture blankets, flannels, and stocking yarn.

*Exhibits.*—Woolen goods, flannels, and flannel skirts.

**81. Miami Woolen Mills**, Shuler & Benninghofer, Hamilton, Ohio.

Established 1853; 2 sets of cards; 20 broad looms; 80 employés.

After January, 1894, will be located in a standard woolen mill, now building, with four sets of cards, and an increased number of employés.

*Exhibits.* — Paper-makers' felts and jackets; blankets and skirts, made from wool only.

**82. Milwaukee Worsted Cloth Co.**, Milwaukee, Wis.

President, C. H. Starke; Vice-President, John Wild; Secretary, Albert Recknagel, Jr.; Treasurer, William H. Meyer; Superintendent, John Weber.

Established 1891; capital \$80,000; 12 looms. Incorporated October, 1891, with a capital stock of \$40,000. The company manufactures the highest grade of domestic goods in all desirable styles, which find ready sale and are to be compared only with imported goods.

*Exhibits.* — Fine 6-4 worsted cloths.

**83. New Albany Hosiery Mills**, New Albany, Ind.

President, J. F. Gebhert; Treasurer and Superintendent, W. A. Hedden. Salesroom, 260 Church street, New York. Sell their own goods.

Established 1881; 4 sets of 48-inch cards; 150 knitting-machines. Incorporated as a stock company in 1891. Present mill-buildings were erected by W. A. Hedden & Co. in 1883, and equipped with the necessary machinery for yarn spinning.

*Exhibits.* — Woolen hosiery exclusively. Some seamless hosiery is made, but the principal is a plain fashioned foot, sold under the trade name of the Corydon Seamless. A specialty is the Shaker socks, all of which have this foot, and are largely worn by the army and navy.

**84. William F. Read**, Victoria Mill, Philadelphia, Pa.; 250 looms. Offices, 213 Chestnut street, Philadelphia, 351 Canal st., New York.

This mill was the pioneer in the manufacture of alpacas for umbrellas, and silk-warp henriettas in the United States, and is believed to be the first to introduce the latter in colors other than black in any country. It manufactures many combinations of wool with silk and cotton for dress and other purposes. Silk-warp Lansdowne, now so popular as a dress fabric, is only made here. The mill itself was among the first built in this country on the best plan of an English weaving-shed, and to adopt rope driving.

*Exhibits.* — Silk-warp Lansdownes.

**CASE 23.****85. The American Mills Company**, Rockville, Conn.

President, George Talcott; Secretary and Treasurer, C. N. McLean; Superintendent, George Schofield; Selling Agents, Brigham, Lawrie, Mann & Co., 61 Leonard street, New York.

Organized in 1847; capital, \$100,000; 15 sets cards; 88 broad looms.

*Exhibits.* — Kerseys, plain and fancy worsteds for men's wear.

**86. Harris Woolen Company, Woonsocket, R.I.**

Mrs. Abby M. Harris, President; Joseph E. Cole, Treasurer; D. W. Senior, Superintendent. Salesroom, 86 and 88 Worth street, New York.

Founded in 1831 by Edward Harris, the pioneer in the manufacture of Fancy Cassimeres in America. Company chartered in 1802, succeeded Mr. Harris in 1872. Capital, \$800,000; 25 sets of cards: 160 looms. Manufacturers of E. Harris fine kerseys, meltons, elysians, rattines, carriage cloths, and fancy worsted and wool suitings.

*Exhibits.* — Wool and worsted overcoatings, cassimeres, and carriage cloths.

**87. Rock Manufacturing Company, Rockville, Conn.**

President, A. C. Dunham, Hartford, Conn.; Secretary and Treasurer, H. L. James, Rockville, Conn.; Superintendent, F. Swindells, Rockville, Conn. New York office, 86 and 88 Worth street.

Established 1821; capital, \$200,000; 20 sets of cards, and 120 broad looms. Organized under a special charter, May, 1828. Have been in the business continuously for seventy-two years; began on the same site it now occupies in 1821. Manufacturers of fine woolens and worsteds for men's wear, to order only, for the fine clothing and jobbing trade.

*Exhibits.* — Fine woolens and worsteds for men's wear.

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All goods exhibited in Case 23 are cut from the regular product of the mills, and were not specially made for this exhibit.

### CASE 24.

**88. Assabet Manufacturing Company, Maynard, Mass.**

Lorenzo Maynard, Agent, Maynard; T. Quincy Browne, Treasurer, 95 Milk street, Boston. Salesroom, 66 and 68 Worth street, New York, and 36 Bedford street, Boston.

Commenced 1862; Capital, \$1,000,000; 67 sets wool cards.

Annual consumption of wool, 5,000,000 pounds; goods annually manufactured, 8,500,000 yards; twelve acres of mill floorage.

*Exhibits.* — Woolen suitings, fancy flannels, and cassimeres.

**89. Henry H. Bell's Sons Company, Milton, N.Y.**

President, Winslow M. Bell; Vice-President, Arthur E. Bell; Treasurer, Henry H. Bell; Secretary, C. H. Hamilton.

Salesroom, 33 Worth street, New York. Sell direct. Manufacture knit goods, fleece plush, eider-downs, stockinettes, etc.

Established 1872; incorporated 1893; capital, \$150,000.

*Exhibits.* — Knit goods and eider-downs.

**90. S. Blackinton Woolen Company, Blackinton, Mass.**

President, William L. Pomeroy; Vice-President, L. Pomeroy; Treasurer, O. A. Archer; Selling Agents, Sullivan, Vail & Co., New York.

Established 1821; capital, \$600,000; 19 sets of cards; 100 broad looms. The business was established in 1821 by Sanford Blackinton, and has been continued from that time to the present by Mr. Blackinton and his heirs. In 1876 the present corporation was formed, with a capital of \$250,000. Reorganized in 1893. Main mill-building 450 by 50 feet, four stories, situated on line of Fitchburg railroad, three miles west of North Adams. Besides dye and picker houses, wool house, gas house, and coal sheds, the corporation owns about 100 tenements, 400 acres of land, and a valuable water-power on the Hoosac river. Mills run by water and steam power, lighted by gas and electricity.

*Exhibits.*—Fancy cassimeres, fine worsted suitings and trouserings, fine kerseys, meltons, tricots, hair lines, and cheviots, which represent regular production of mill.

**91. Broad Brook Company, Broad Brook, Conn.**

Treasurer, Charles M. Beach, 211 State street, Hartford, Conn.; Assistant Treasurer and Secretary, Edw. W. Hooker, Hartford, Conn.; Superintendent, James S. Gilmore, Broad Brook, Conn.; Selling Agents, W. J. Battey, H. E. McCoy, 69 Worth street, New York.

Organized 1848; capital, \$400,000; 18 sets cards; 100 broad looms; dye-house.

*Exhibits.*—Woolen and worsted coatings and suitings.

**92. Fred Hartley, Lawrence, Mass. Boston office, 612 Atlantic avenue.**

Carbonized Australian lamb's and fleece wool; also domestic wool and noils of all grades, perfectly free from acid or any chemical.

*Exhibits.*—Carbonized wool.

**93. Peace Dale Manufacturing Company, Peace Dale, R.I.**

President, Rowland Hazard; Treasurer, Rowland G. Hazard; Assistant Treasurer, William C. Greene; Superintendent, Thomas J. Maxwell; Selling Agents, Brigham, Lawrie, Mann & Co., New York.

Established 1801; capital, \$200,000; 10 sets of cards; 7 combs; 124 looms. Established about 1801 by Rowland Hazard, for the manufacture of yard-wide linsey-woolseys; first carding-machines operated in 1804; power looms invented by Thomas R. Williams, operated in 1815, being the first power-looms successfully operated in the woolen manufacture in the United States, if not in the world. In 1819, Isaac P. Hazard and Rowland G. Hazard succeeded their father in the business. A spinning-jack of 152 spindles was started in 1820, and power looms on wide goods introduced in 1828. The manufacture of kerseys was continued until 1854, a period of thirty-five years. The present corporation was organized in 1848. In

Exhibit  
No.

1856 the mills were greatly enlarged, and a worsted mill was added in 1872. The business begun by Rowland Hazard was continued by his sons down to 1866; then by the sons of Rowland G. Hazard, Rowland Hazard, and John N. Hazard to 1892. Rowland G. Hazard, 2d, great-grandson of the founder, was elected Assistant Treasurer in 1877, and is now treasurer. The mills have thus been continuously managed by four generations of the same family, in the same location, for ninety-two years.

*Exhibits.* — Worsted suitings and coatings, fancy cassimeres and overcoatings, shawls, serges for men's and women's wear.

### CASE 25.

#### 94. **Fulton Worsted Mills**, Fulton, N.Y.

Charles Fletcher, Proprietor; Selling Agents, Frederick Vietor & Achelis, New York; 15 worsted cards; 13 combs.

*Exhibits.* — Worsted yarns.

#### 95. **National Worsted Mills**, Providence, R.I.

President and Treasurer, F. S. Farwell; Secretary, George W. Harris; Assistant Treasurer and General Superintendent, A. E. Farwell; Selling Agents, Otheman, Dyer & Southwick, 22 White street; Frederick Vietor & Achelis, 72 Leonard street; Rockfellow & Shepard, 72 Worth street; and Schefer, Schramm & Vogel, 478 Broome street, New York.

Established 1885; capital, \$300,000; 16 sets; 420 looms. Commenced operations with 75 looms, and have gradually increased until to-day they are running 420 looms. The goods manufactured are worsted goods, consisting of trouserings, suitings, and coatings.

*Exhibits.* — Worsted suitings and trouserings. Also in Machinery Hall two looms in operation, weaving the present season's goods, sold on orders.

#### 96. **Providence Worsted Company**, Providence, R.I.

Charles Fletcher, President and Treasurer; Joseph E. Fletcher, Assistant Treasurer.

Incorporated 1883; capital, \$600,000; 25 sets of worsted cards and 26 combs.

*Exhibits.* — Mohair and worsted yarns, overcoatings, and cloakings.

#### 97. **Saranac Worsted Mills**, Providence, R.I.

Charles Fletcher, Proprietor; 20 sets of cards; 130 looms.

*Exhibits.* — Worsted suitings, cloakings, and overcoatings.

### CASE 26.

#### 98. **Globe Woolen Company**, Utica, N.Y.

President, R. Middleton; Vice-President, A. C. Miller; Secretary, E. T. Batsford; Treasurer, W. W. Coffin; Selling Agent, W. W. Coffin, 329 and 331 Broadway, New York.

Established 1847; 31 sets of cards; 7 combs; 166 broad looms

Originally founded as the Utica Globe Mills. In 1855 the company was reorganized as the Utica Woolen Mills, and in 1859 the name was changed to the Globe Woolen Company. The mills were destroyed by fire in 1871, and in 1873 they were rebuilt on a larger and improved scale. In 1886 a worsted mill was added, so that worsted fabrics are made by this corporation from raw wool to finished cloths. The buildings are massive brick structures covering a large area of ground. The mills are splendidly equipped with all the best machinery. Every appliance and convenience that will tend toward improving the product is utilized. The fabrics manufactured include a very large variety of wool and worsted fabrics for men's wear, which reach the consumer by all of the cloth jobbers and fine clothiers of our country. The establishment furnishes employment to about one thousand people.

*Exhibits.* — Cassimeres, worsteds, beavers, and coatings.

### CASE 27.

#### 99. **Jaros Hygienic Underwear Company**, New York City, N.Y.

President, Isaiah Josephi; Vice-President and Treasurer, Isidore Jaros; Secretary, Sylvan E. Bier.

Established in Chicago, 1884; incorporated under the laws of the State of New York, 1890. First manufacturers in the United States of wool fleece underwear.

*Exhibits.* — Underwear for men, women, and children, in combination and separate garments; night robes, sweaters, socks, abdominal bands, chest protectors, etc. Also materials from which these are made.

### CASES 28 and 30.

#### 100. **S. B. & B. W. Fleisher**, Philadelphia, Pa.

Mills, 25th and Hamilton streets, Philadelphia; salesrooms, 28 South 6th street, Philadelphia; 80 Franklin street, New York, 26 Chauncy street, Boston, and 233 Jackson street, Chicago.

Manufacturers of the renowned brands of Fleisher's German Knitting Worsted, Fleisher's Germantown, Saxony, Spanish, and Shetland Floss, and manufacturers of worsted and woolen yarns for knitters generally; also manufacturers of the celebrated Fleisher's "61" and \*Star\* Skirt Braids. Highest award at the Centennial Exposition, Philadelphia, 1876.

*Exhibits.* — Braids; woolen and worsted yarns.

### CASE 29.

#### 101. **City Mills Company**, City Mills, Mass.

James P. Ray, President; Joseph G. Ray, Treasurer; Selling Agents, Hinman Bros., 359 Broadway, New York, and 269 Franklin street, Chicago; capital, \$96,000; 22 sets felting-cards.

*Exhibits.* — "Kensington" brand cloth-finish upholstery and embroidery felt and cabinet cloth, made in 250 shades, specially adapted for desks, tables, counters, and millinery; boot linings, piano, saddlery, clothing, shoe, slipper, trimming felt, and for special purposes.

### CASE 31.

**102. Norfolk and New Brunswick Hosiery Company**, New Brunswick, N.J.

President, John N. Carpender; Treasurer, Nicholas G. Rutgers. Salesrooms, 55 and 57 White street, New York.

Incorporated 1863; capital stock, \$550,000; 29 sets of cards. Mills at New Brunswick, N.J., and Norfolk, Conn. Manufacturers of full-fashioned underwear of all kinds, worsted, wool, cotton, and mixed, for men, women, and children; also ribbed and circular underwear in white and colors.

*Exhibits.* — Full-fashioned underwear of all kinds, worsted, wool, cotton, and mixed. Also ribbed and circular underwear in white and colors.

### CASE 32.

**103. North Star Woolen Mills**, Minneapolis, Minn.

D. Morrison, President; Wm. G. Northrup, Treasurer; L. B. Morrison, Secretary. Sell own goods.

Incorporated 1881; capital, \$400,000; 13 sets of cards.

*Exhibits.* — Woolen goods, blankets, robes, rugs, and shawls.

### CASE 33.

**104. Merrimac Woolen Mills**, Dracut, Mass.

Solomon Bachman, Proprietor; August Fels, Agent. Salesroom, 87 Worth street, New York; 21 sets of cards.

*Exhibits.* — Velvet shawls in all qualities, beaver shawls, and woolen long shawls; also fine kersey cloth, robes, rugs, and ladies' cloakings.

### CSAE 34.

**105. National Knitting Company**, Milwaukee, Wis.

President and Manager, S. M. Levy; Vice-President, Ignatz Friedman; Secretary and Treasurer, Jonas Cohen. Sell direct to jobbing trade exclusively.

Established 1880; capital, \$100,000. Incorporated in 1884. Factory is 120 feet by 200 feet, 4 stories; 150-horse-power Corliss engine. Use per annum 1,000,000 pounds of wool, making about 600,000 pounds of yarn. Employ 500 operatives; 4 sets of 60-inch cards, 350 knitting-machines, 50 sewing-machines.

*Exhibits.* — A complete line of all-wool gloves and mittens, heavy hosiery, lumbermen's socks, and knit boots.



